

fig 1

Jim Cutz  
8/10/98

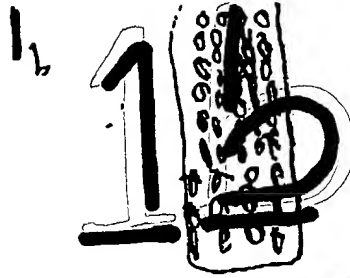


fig 2

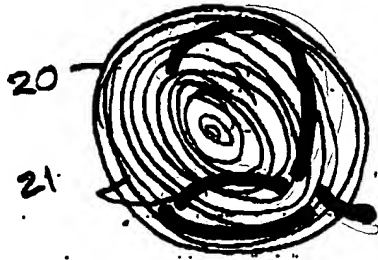
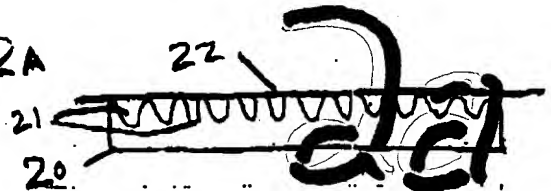


fig 2A



30

fig 3



31

fig 3a



fig 3b

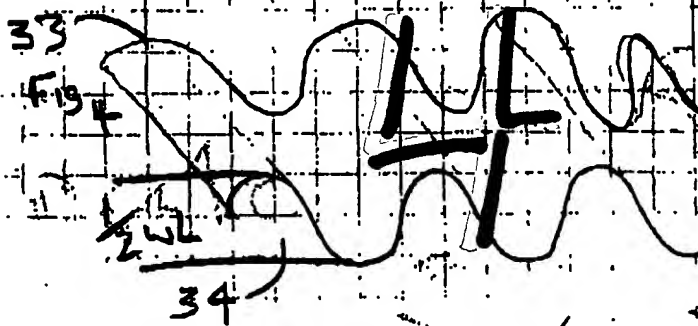
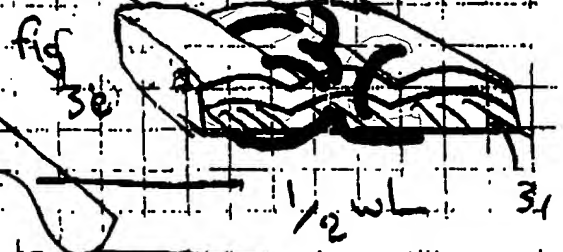


fig 3c



1/2 WL

4a



fig 3b



1/4 WL

31

33

fig 4b

1/4 WL

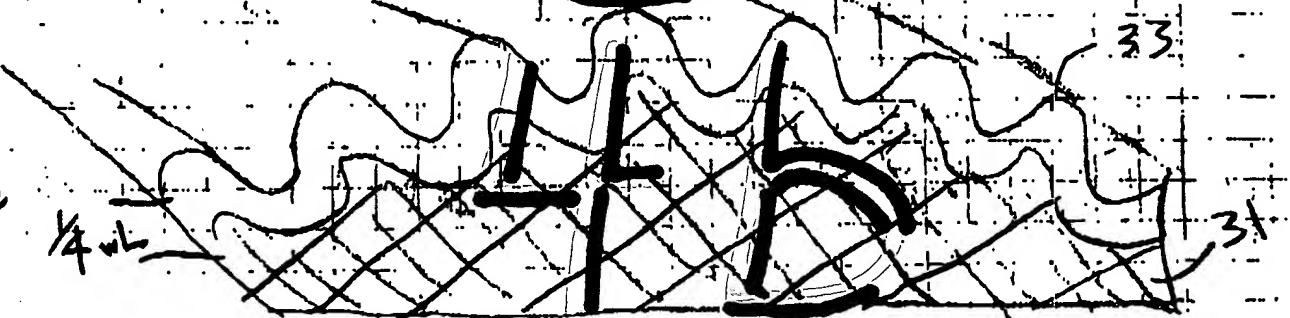




Fig 3

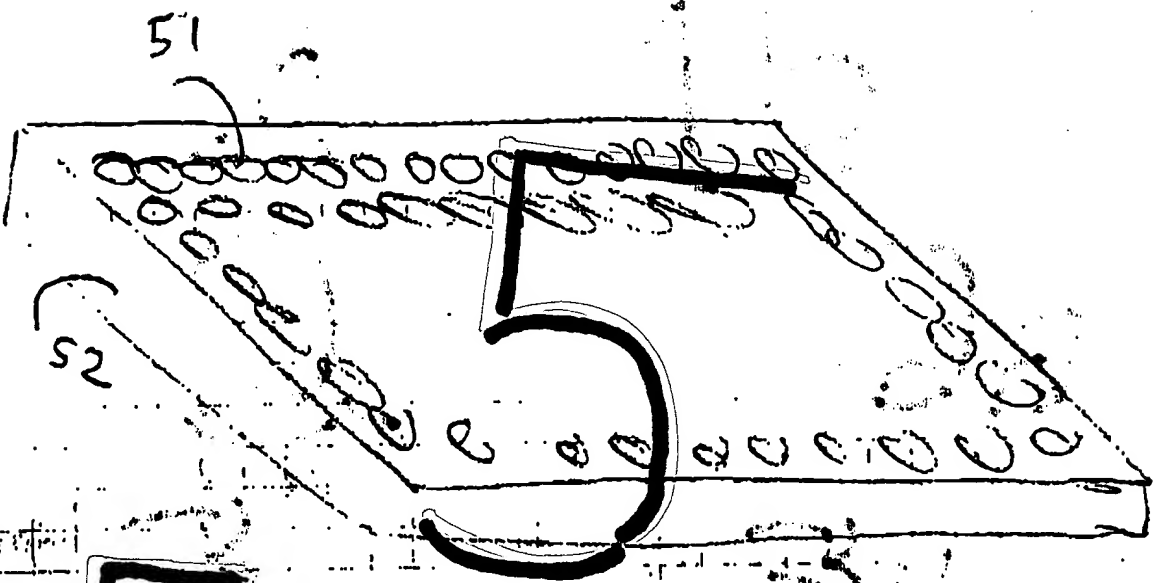


Fig 4a

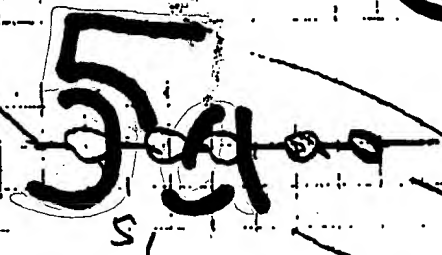


Fig 4b

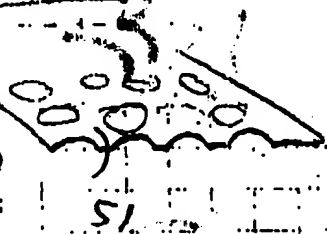
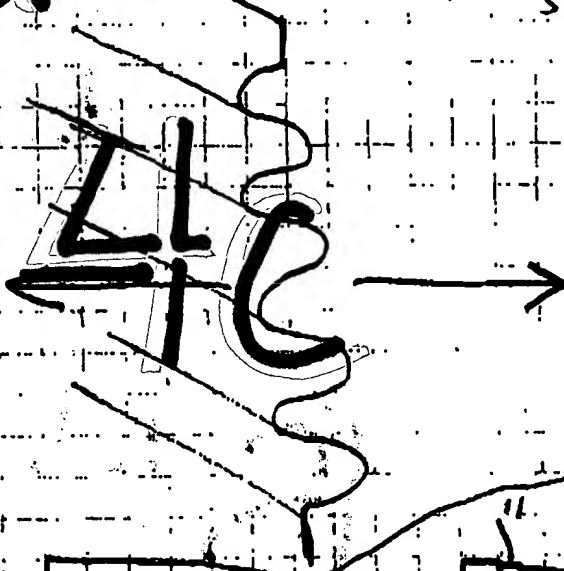


Fig 4c



Jim C  
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Fig 1c

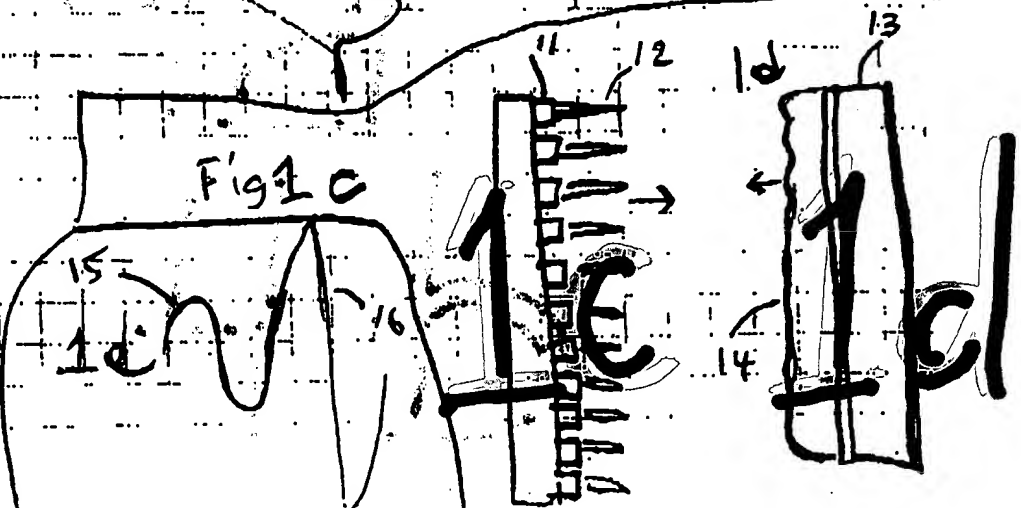
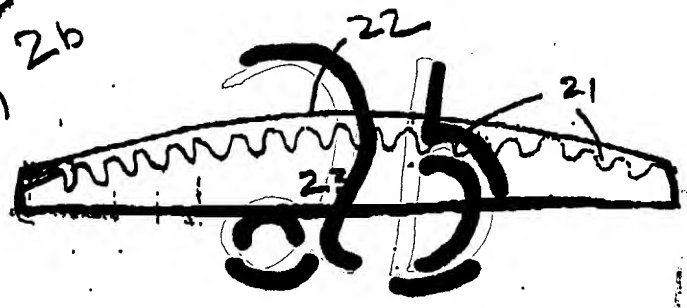
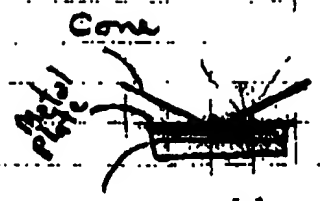


Fig 2b



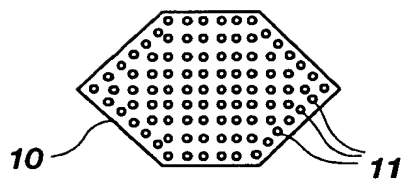
curved Est backplate



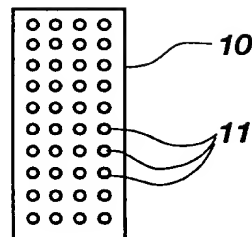
Piezo  
 bi-morph or bender

Ceramic Piezo material

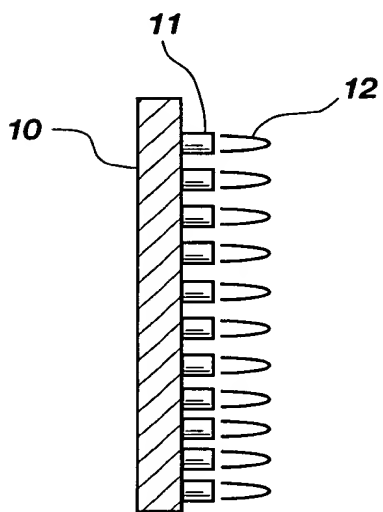
Non parametric clamps



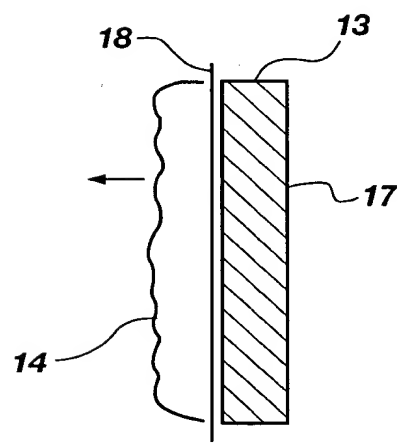
**Fig. 1a**



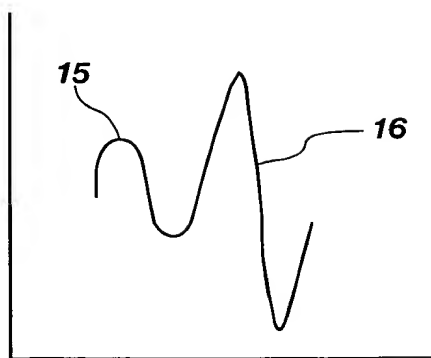
**Fig. 1b**



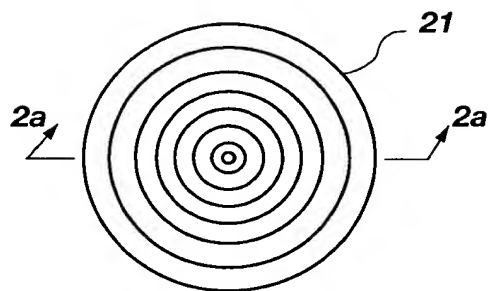
**Fig. 1c**



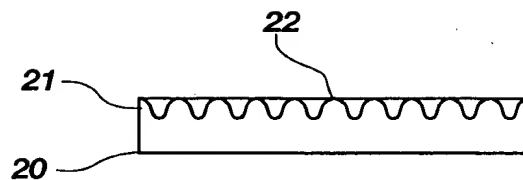
**Fig. 1d**



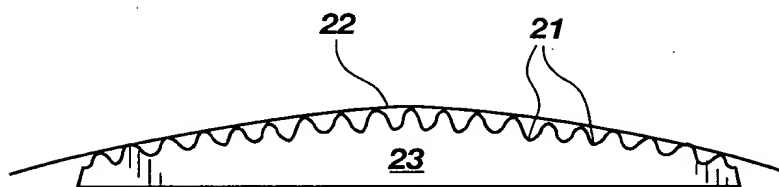
**Fig. 1e**



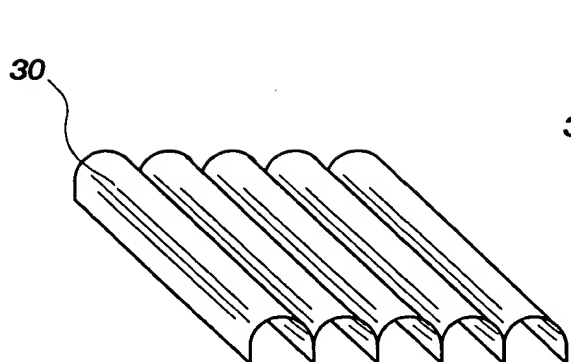
**Fig. 2**



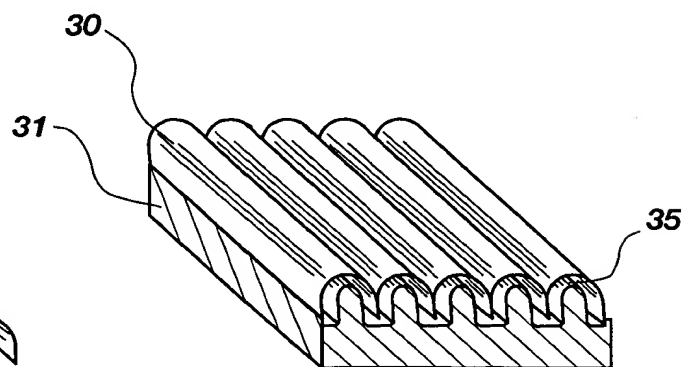
**Fig. 2a**



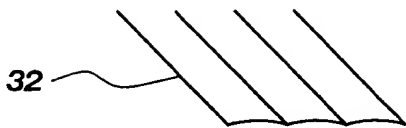
**Fig. 2b**



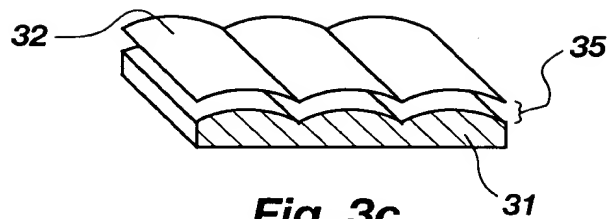
**Fig. 3**



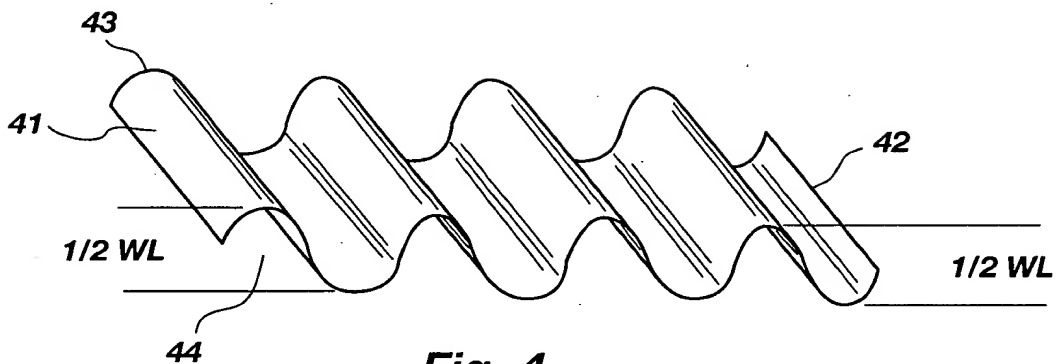
**Fig. 3a**



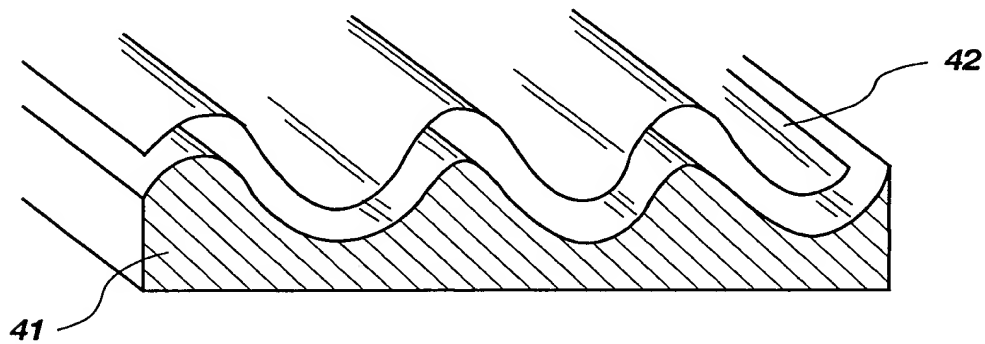
**Fig. 3b**



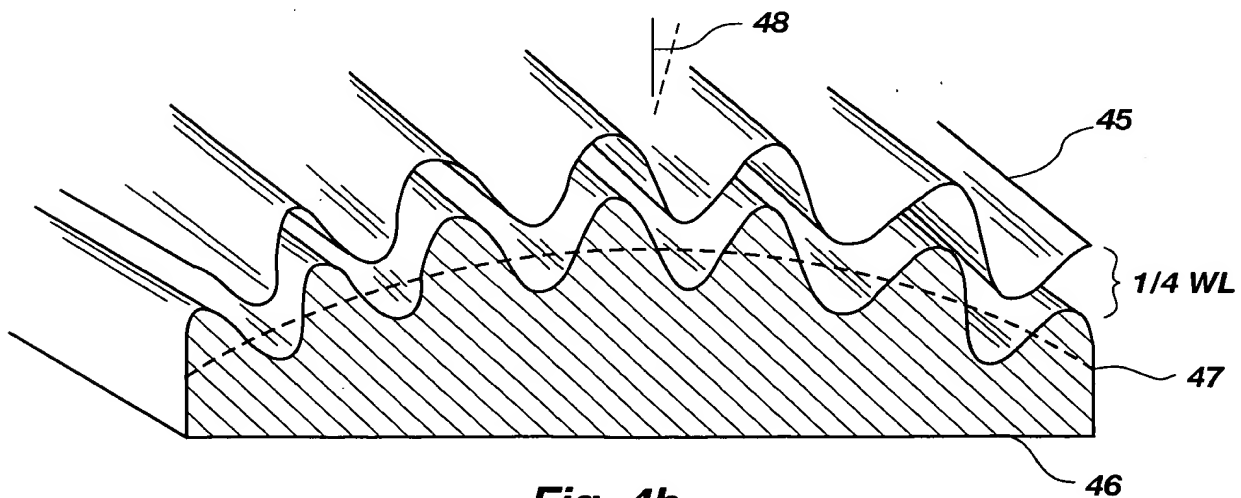
**Fig. 3c**



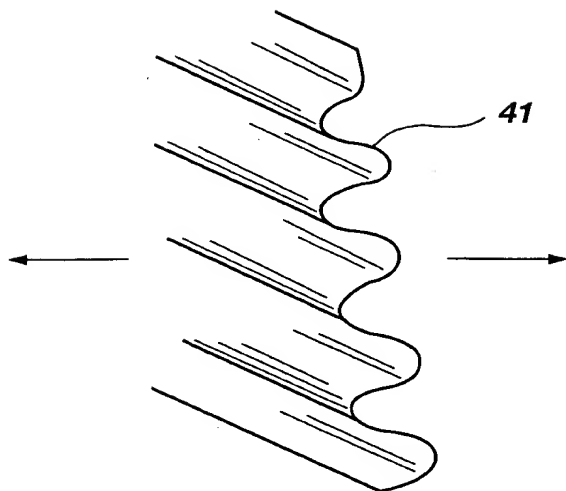
**Fig. 4**



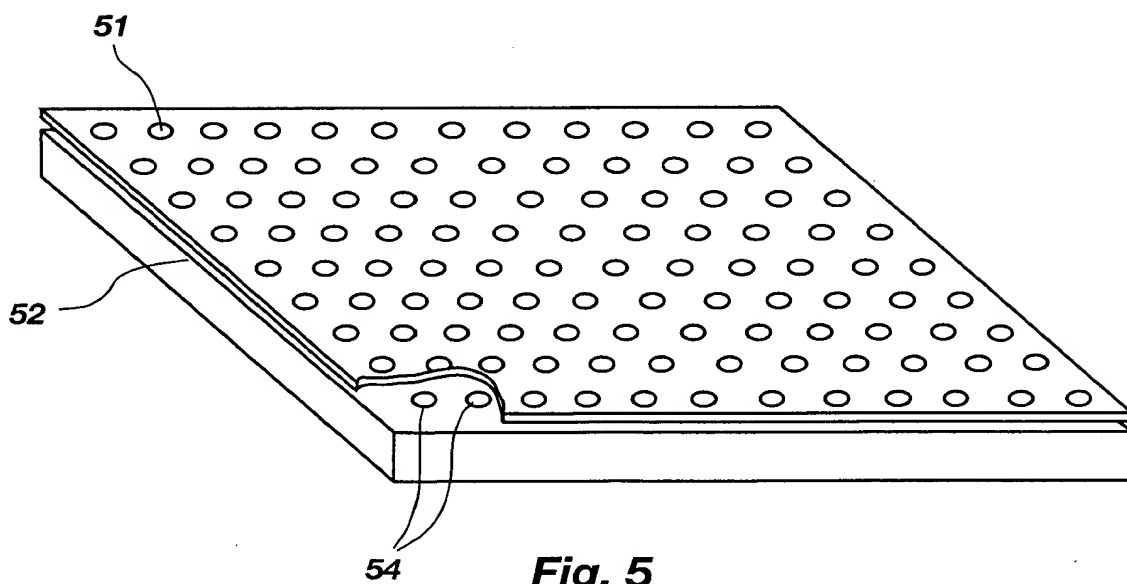
**Fig. 4a**



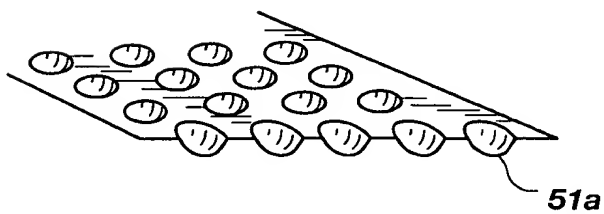
**Fig. 4b**



**Fig. 4c**



**Fig. 5**



**Fig. 5a**



**Fig. 5b**